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1 An object-based programming model for shared data
Gail E. Kaiser, Brent Hailpern
April 1992 **ACM Transactions on Programming Languages and Systems (TOPLAS)**, Volume 14 Issue 2

Full text available: 📄 pdf(3.28 MB)   Additional Information: full citation, abstract, references, index terms, review

The classical object model supports private data within objects and clean interfaces between objects, and by definition does not permit sharing of data among arbitrary objects. This is a problem for real-world applications, such as advanced financial services and integrated network management, where the same data logically belong to multiple objects and may be distributed over multiple nodes on the network. Rather than give up the advantages of encapsulated objects in modeling real-world en ...

Keywords: coordination language, daemons, financial applications, object-based, real-time, sharing

2 Real-time tasking semantics working group
John Goodenough
May 1989 **ACM SIGAda Ada Letters , Proceedings of the third international workshop on Real-time Ada issues**, Volume X Issue 4

Full text available: 📄 pdf(1.38 MB)   Additional Information: full citation, citings, index terms

3 Ada development system technical and performance requirements (with rationale)
Donald G. Krantz
December 1990 **Proceedings of the conference on TRI-ADA '90**

Full text available: 📄 pdf(1.85 MB)   Additional Information: full citation, abstract, references

This paper discusses requirements for Ada1 compilers and associated tools used for real-time embedded weapons systems (EWS) development. The requirements have been developed over a period of several years by embedded systems developers at Honeywell Inc. and Alliant Techsystems Inc. Requirements for the run time system, compiler-generated code, and host tools such as linkers are presented. A short rationale statement is provided with each specific requirement.

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